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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/039,331 | 11/07/2001 | William B. Noble | RTN-139PUS | 1499 |

22494 7590 12/30/2003

DALY, CROWLEY & MOFFORD, LLP
SUITE 101
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CANTON, MA 02021-2310

EXAMINER

TRAN, TAM D

| ART UNIT | PAPER NUMBER |
|----------|--------------|
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2676

DATE MAILED: 12/30/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/039,331

Applicant(s)

NOBLE ET AL.

Examiner

Tam D. Tran

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 October 2003.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-27 are rejected under 35 U.S.C. 102(b) as being anticipated by Johnson et al. (USPN 5553209), hereinafter simply Johnson.

2. In regard to claims 1, 17, Johnson teaches a symbol expansion method and apparatus comprising: selecting a map portion containing one or more map display symbols on a computer map display; see col.2 lines 1-5; and presenting a symbol expansion display related to the map portion on the computer map display, wherein the symbol expansion display is displayed in combination with the one or more map display symbols. see col.3 lines 5-12.

3. In regard to claim 2, Johnson teaches a symbol expansion method and apparatus, wherein the selecting comprises: pointing to a map display symbol with computer pointing device. See col.3 lines 14-20.

4. In regard to claim 3, Johnson teaches a symbol expansion method and apparatus, wherein the selecting comprises: selecting a map portion of the computer map display containing the one or more map display symbols with the computer pointing device. See col.3 lines 5-20.

5. In regard to claim 4, Johnson teaches a symbol expansion method and apparatus, wherein the presenting comprises: relating the one or more map display symbols to one or more map

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symbol records retained in a computer memory, each containing record components; selecting one or more record components from among the one or more map symbol records; and formatting the one or more selected record components for the symbol expansion display, presenting at least one or more symbol expansion graphics and one or more symbol expansion data with the selected record components in the symbol expansion display in combination with the one or more map display symbol. See col.4 lines 18-65.

6. In regard to claims 5, 21, Johnson teaches a symbol expansion method and apparatus, wherein the selecting one or more record components comprises: selecting one or more record graphics components of the one or more map symbol records. See col.3 lines 14-25.

7. In regard to claim 6, Johnson teaches a symbol expansion method and apparatus, wherein the selecting the one or more record components comprises: selecting record data of the one or more map symbol records. See col.3 lines 14-25.

8. In regard to claim 7, Johnson teaches a symbol expansion method and apparatus, wherein the selecting record data comprises: filtering the record data of the one or more map symbol records to provide the one or more symbol expansion data corresponding to a selected record data type. See col.3 lines 25-35.

9. In regard to claim 8, Johnson teaches a symbol expansion method and apparatus, wherein filtering the record data comprises: selecting a record data type selected from the group consisting of a dollar asset range record data type, a friendliness range record data type, a personnel size record data type, a security classification record data type, a type of service record data type, and an age of symbol record data type. See col.8 lines 60-67.

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10. In regard to claim 9, Johnson teaches a symbol expansion method and apparatus, wherein the selecting the record data comprises: filtering the record data of the one or more map symbol records to provide symbol expansion data corresponding to a selected record data range. See col.3 lines 25-35.

11. In regard to claim 10, Johnson teaches a symbol expansion method and apparatus, wherein the selecting the record data comprises: algorithmically combining map symbol records to provide the one or more symbol expansion data. See col.3 lines 25-35.

12. In regard to claims 11, 19 Johnson teaches a symbol expansion method and apparatus, wherein formatting comprises: providing the one or more symbol expansion graphics, movable by the user on the computer map display, and associated with the record graphics components of the one or more map symbol records. See col.1 lines 15-22.

13. In regard to claims 12, 20, Johnson teaches a symbol expansion method and apparatus, wherein formatting further comprises: providing the one or more symbol expansion data, movable by the user on the computer maps display, and associated with the record data components of the one or more map symbol records. See col.2 lines 60-67.

14. In regard to claim 13, Johnson teaches a symbol expansion method and apparatus, wherein providing the one or more symbol expansion data comprises: providing a user selectable language for the list of symbol expansion data. See col.8 lines 60-67.

15. In regard to claim 14, Johnson teaches a symbol expansion method and apparatus, wherein formatting comprises: providing a lead line from the map portion to the symbol expansion display where the lead line moves in accordance with the position of the symbol expansion display. See col.3 lines 5-13.

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16. In regard to claim 15, Johnson teaches a symbol expansion method and apparatus, wherein formatting comprises: color coding one or more of the one or more symbol expansion graphics to indicate an attribute of the object represented one or more map display symbols. See col.1 lines 15-22

17. In regard to claim 16, Johnson teaches a symbol expansion method and apparatus, wherein formatting comprises: augmenting the symbol expansion display with special identifying characters that indicate when information has been omitted from the symbol expansion display. See col.7 lines 60-67.

18. In regard claim 18, Johnson teaches a symbol expansion method and apparatus, wherein the presentation processor comprises: a computer memory having one or more map symbol records stored therein; a relation processor which relates the one or more map display symbols to one or more map symbol records retained in the computer memory; a selection device for selecting one or more record components from among the one or more map symbol records; and a display processor which receives and formats each of the one or more record selected components for presenting at least one or more symbol expansion graphics and one or more symbol expansion data in the symbol expansion display in combination with the one or more map display symbols. see col.7 lines 39-58.

19. In regard to claims 22, 25, Johnson teaches a symbol expansion method and apparatus, wherein the computer map display is displayed at a first scale and the symbol expansion display is displayed in combination with the computer map display at first scale. See col.5 lines 20-27.

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20. In regard to claims 23, 24, 26, 27, Johnson teaches a symbol expansion method and apparatus, wherein each of the one or more symbol expansion graphics is associated with a lower level of hierarchy of one of the one or more map display symbols. See col.5 lines 41-51.

Response to Arguments

21. Applicant's arguments filed on 10/24/2003, have been fully considered but they are not persuasive.

Applicant argues that the prior art does not teach “a symbol expansion method and apparatus having symbol expansion display is displayed in combination with the one or more map display symbols;” examiner respectfully disagrees with the argument because on col.4 lines 18-25, Johnson teaches displaying geographic map features including symbols from the record, which read on symbol expansion display is displayed in combination with the one or more map display symbols. Applicant argues that the prior art does not teach “ providing the one or more symbols expansion graphics, movable by the user on the computer map display;” examiner respectfully disagrees with the argument because on col.3 lines 10-13, Johnson teaches controlling the manipulation and display of the symbols from the point feature record to the screen, which read on movable by the user on the computer map display, For these reasons, the rejections are maintained.

22. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after

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the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Conclusion

23. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Tam D. Tran** whose telephone number is **703-305-4196**. The examiner can normally be reached on MON-FRI from 8:30 – 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Matthew Bella** can be reached on **703-308-6829**.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered response should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Tam Tran

TT

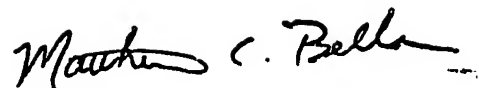
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Examiner

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A handwritten signature in black ink, reading "Matthew C. Bella". The signature is written in a cursive style with a large, stylized "M" and a long, sweeping underline.

MATTHEW C. BELLA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600